

Serial No.: 10/786,914

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Signature

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Case No. 9281-4793
Client Ref. No. CK US98034

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for Reissue)
of U.S. Patent No. 6,349,670)
Issued: February 26, 2002)
Patentee: Akira Nakano et al.)
U.S. Reissue Patent Application)
Serial No.: 10/786,914)
Filed: February 25, 2004)
For: Plasma Treatment Equipment)

**SUPPLEMENTAL DECLARATION OF THE INVENTORS, AKIRA NAKANO, SUNG
CHUL KIM, KOICHI FUKUDA, YASUHIKO KASAMA, TADAHIRO OHMI, AND
SHOICHI ONO, ON APPLICATION FOR REISSUE**

Commissioner for Patents
Washington, D.C. 20231
Mail Stop/ Amendment

Dear Sir:

This paper supplements the Reissue Declaration of August 6, 2005.

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We, Akira Nakano, Sung Chul Kim, Koichi Fukuda, Yasuhiko Kasama, Tadahiro Ohmi, and Shoichi Ono, upon information and belief hereby declare that:

1. We are the same declarants that signed the Declaration and Power of Attorney for Patent Application ("the original Declaration") of Akira Nakano, Sung Chul Kim, Koichi Fukuda, Yasuhiko Kasama, Tadahiro Ohmi, and Shoichi Ono submitted in U.S. Patent Application Serial No. 09/442,539 ("the '539 application"), filed November 18, 1999, that issued as U.S. Patent No. 6,349,670 ("the '670 patent") for Plasma Treatment Equipment, on February 26, 2002. We herein affirm, redeclare, and incorporate all of the declarations made in the original Declaration filed in the '539 application and in the Reissue Declaration for the present reissue application, Serial No.: 10/786,914, dated August 6, 2005.

2. The entire right, title, and interest in the '670 patent is vested in Alps Electric Co., Ltd and Tadahiro Ohmi. On November 8, 1999, the entire rights in the '348 application were assigned from us, Akira Nakano, Sung Chul Kim, Koichi Fukuda, Yasuhiko Kasama, Tadahiro Ohmi, and Shoichi Ono to Alps Electric. Co., Ltd., and Tadahiro Ohmi in an assignment. The assignment was incorrectly recorded in the U.S. Patent Office on November 18, 1999, and is located at Reel 10399, Frame 481. On May 19, 2004, the assignment was corrected in a Correction of Assignment recorded in the United States Patent and Trademark Office at Reel 14635, Frame 321.

3. Our names, residence, mailing address, and country of citizenship are:

Inventor Name:	Akira Nakano	Koichi Fukuda
Citizenship:	Japan	Japan
Residence:	Miyagi-ken, Japan	Miyagi-ken, Japan
Mailing Address:	c/o Alps Electric. Co., Ltd., 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan	c/o Alps Electric. Co., Ltd., 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan

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Inventor Name:	Sung Chul Kim	Yasuhiko Kasama
Citizenship:	Korea	Japan
Residence:	Kyongki-Do, Korea	Miyagi-ken, Japan
Mailing Address:	c/o Alps Electric Co., Ltd., 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan	c/o Alps Electric Co., Ltd., 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan

Inventor Name:	Tadahiro Ohmi	Shoichi Ono
Citizenship:	Japan	Japan
Residence:	Miyagi-ken, Japan	Miyagi-ken, Japan
Mailing Address:	2-1-17 Komegafukuro, Aoba-ku, Sendai-shi, Miyagi-ken, Japan,	2-4-55 Kashiwagi, Aoba-ku, Sendai-shi, Miyagi-ken, Japan

4. We, Akira Nakano, Sung Chul Kim, Koichi Fukuda, Yasuhiko Kasama, Tadahiro Ohmi, and Shoichi Ono, believe that we are the sole joint inventors and the original and first inventors of the subject matter which is described and claimed in the '670 patent granted February 26, 2002, and for which a reissue of the '670 patent is sought on the invention entitled Plasma Treatment Equipment And Impedance Measurement Tool, the specification of which was filed on February 25, 2004 as reissue application serial No. 10/786,914.

5. We hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f) or 365(b) to Japanese Patent Application 10-340806, filed November 30, 1998. A certified copy of this application was provided in the originally filed U.S. Patent Application Serial No. 09/442,539

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6. We have reviewed and understand the contents of the above-identified reissue application specification, including the drawings and the claims, as amended in the Preliminary Amendment filed with the request for reissue ("the Preliminary Amendment") and as originally filed in the reissue application serial No. 10/786,914 on February 25, 2004.

7. We acknowledge the duty to disclose all information, which is material to patentability as defined in 37 CFR 1.56(a).

8. We believe that the original '670 patent is wholly or partly inoperative by reason of our claiming less than we had the right to claim in the patent. One error that is being corrected in the Preliminary Amendment is that we consider one aspect of the disclosed invention to cover plasma treatment equipment that comprises a chamber wall and a susceptor electrode having at least one of an electrode and an electrode shield, at least one of the electrode and the electrode shield being at the same DC potential as the chamber wall, wherein at least one of the at least one of the electrode and the electrode shield being at the same DC potential as the chamber wall is AC shorted to the chamber wall. Claim 1 of the original '670 patent, however, only recites a plasma treatment equipment in which a chamber wall and a susceptor electrode having the same DC potential are AC shorted to each other. At least this error is being corrected by adding new claims in the Preliminary Amendment.

9. All errors in the present reissue application up to the signing of this declaration, or errors which are being corrected by a paper filed concurrently with this declaration which correction we have reviewed, arose without any deceptive intention on the part of the applicants.

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10. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, §1001 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Dated: _____

Akira Nakano

Dated: _____

Sung Chul Kim

Dated: _____

Koichi Fukuda

Dated: _____

Yasuhiko Kasama

Dated: _____

Tadahiro Ohmi

Dated: _____

Shoichi Ono